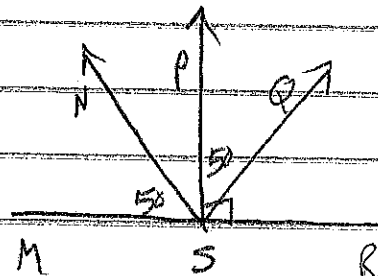


201
27 HW

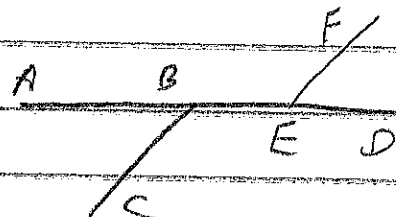
Remove 11, 13, 14, 20, 21, 29

P127 3, 4, 9, 11-14, 17-21, 28, 29, 38, 43

3. $\angle MSN \cong \angle PSQ$; def of \cong
 $\angle NSP \cong \angle QSR$; \cong compl. thm
 $\angle MSP \cong \angle PSR$; All rt. \angle are \cong



4. $\angle ABC \cong \angle DEF$; \cong suppl. thm
 $\angle CBD \cong \angle FEB$; \cong suppl. thm



$$m\angle 3 = 168$$

9. $m\angle 1 = 168$ $m\angle 2 = m\angle 4 = 12^\circ$

~~11. $m\angle 2 = 62^\circ$~~

~~$m\angle 4 = 62^\circ$ $m\angle 1 = m\angle 3 = 118^\circ$~~

12. $8x + 7 = 9x - 4$

$11 = x$

$5y = 7y - 34$

$-2y = -34$

$y = 17$

~~13. $4x = 6x - 26$~~

~~$6y + 8 = 7y - 12$~~

~~$-2x = -26$~~

~~$20 = y$~~

~~$x = 13$~~

~~14. $10x + 4 = 6(x + 2)$~~

~~$6x + 12$~~

~~$16y = 18y - 18$~~

~~$2y = -18$~~

~~$4x = 16$~~

~~$y = -9$~~

~~$x = 4$~~

17. $m\angle 3 = 30$ ($m\angle 6 = 30$)

18. $m\angle BHF = 115$ ($m\angle 3 = 25$)
 $115 - 90 = 25$

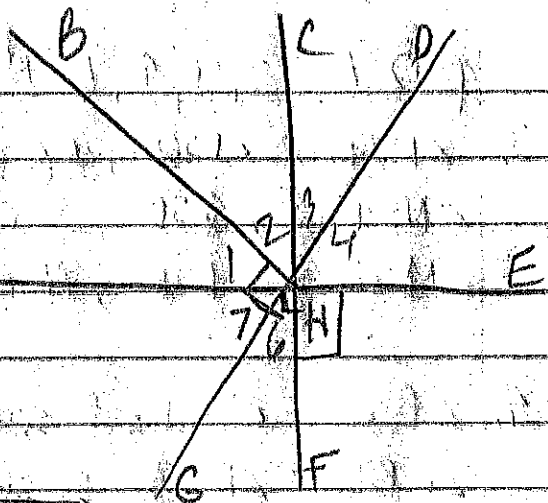
19. $m\angle 6 = 27$ ($m\angle 1 = 27$)
 \cong Compl. \angle 's

~~20. $m\angle DHF = 133$ ($m\angle CHG = 133$) vertical~~

~~21. $m\angle 3 = 32$ $m\angle 2 = 58$
 $90 - 32$~~

28. $13y + 11 = 180$ $4x - 22 = 50$
 $13y = 169$ $4x = 72$
 $y = 13$ $x = 18$
 130° 50° 130° 50°

~~29. $5y + 5 = 7y - 9$
 $14 = 2y$
 $7 = y$
 40° 40° 140° 140°~~



36. G: $\angle ABD$ is rt \angle

$\angle CBE$ is rt \angle

P: $\angle ABC \cong \angle DBE$

S

① \sim

② $\angle ABC + \angle CBD$ are compl.
 $\angle DBE + \angle CBD$ are compl.

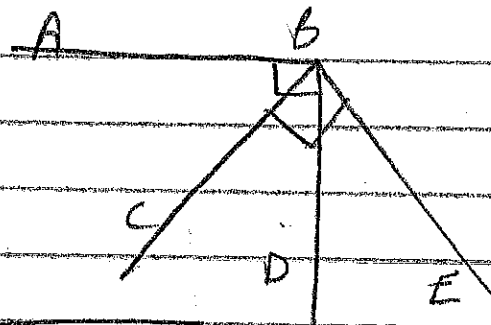
③ $\angle ABC \cong \angle DBE$

R

① Given

② Compl. thm

③ \cong Compl. thm



43. G: $\angle QRS + \angle PSR$ are suppl

P: $\angle QRL \cong \angle PSR$

① $\angle QRS + \angle PSR$ are suppl

② $\angle QRS + \angle QRL$ are Lin Pair

③ $\angle QRS + \angle QRL$ are suppl

④ $\angle QRL \cong \angle PSR$

① Given

② def of LP

③ L.P.P.

④ \cong suppl. thm

